



In the claims

1. (cancelled)
2. (currently amended) A telescopic front suspension system according to Claim 4, 21 wherein the cross-sectional shape of the stanchion tubes and slider tubes is an ellipse.
3. (original) A telescopic front suspension system according to Claim 2, wherein the stanchion tubes and slider tubes are dimensioned for use on a bicycle, and the elliptical shape is dimensioned with its major axis in the range of 1.375 to 2.0 inches, and its minor axis in the range of 1.0 to 1.5 inches.
4. (original) A telescopic front suspension system according to Claim 2, wherein the stanchion tubes and slider tubes are dimensioned for use on a bicycle, and the elliptical shape is dimensioned with an aspect ratio between major and minor axes of about seventy (70) percent.
5. (original) A telescopic front suspension system according to Claim 2, wherein the stanchion tubes and slider tubes are dimensioned for use on a bicycle, and the stanchion tubes have a length in the range of 8 to 12.5 inches and provide approximately 3 inches of suspension travel.
6. (cancelled)
7. (currently amended) A telescopic front suspension system according to Claim 6, 21 wherein the external bushing has a first internal profile for mounting with an interference-fit on the upper end of the slider tube.

8. (currently amended) A telescopic front suspension system according to Claim 6, 21 wherein the external bushing has a second internal profile which provides a gap in the range of .0005 to .0035 inches from the outer surface of the stanchion tube.

9. (currently amended) A telescopic front suspension system according to Claim 6, 21 wherein the external bushing has a third internal profile for mounting a wiper seal to cover the upper end of the slider tube.

10. (currently amended) A telescopic front suspension system according to Claim 6, 21 wherein the internal bushing has a first internal profile for mounting with an interference-fit on the lower end of the stanchion tube.

11. (currently amended). A telescopic front suspension system according to Claim 6, 21 wherein the internal bushing has a second external profile which provides a gap in the range of .0005 to .0035 inches from the inner surface of the slider tube.

12. (cancelled)

13. (cancelled)

14. (currently amended) A telescopic front suspension system according to Claim ~~4~~, 21 further comprising a spring and damper assembly mounted within each pair of telescoping stanchion and slider tubes.

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (currently amended) A telescopic suspension unit according to Claim 1, 21 further comprising an external bushing mounted on the upper end of the slider tube having an inner shape matching the outer shape of the stanchion tube, and an internal bushing mounted to the lower end of the stanchion tube having an outer shape matching the inner shape of the slider tube, wherein the two-bushing arrangement allows the distance between the upper bushing and lower bushing to increase as the stanchion tube is telescopically displaced inside the slider tube.

19. (original) A telescopic suspension unit according to Claim 18, wherein the external bushing has a first internal profile for mounting with an interference-fit on the upper end of the slider tube.

20. (original). A telescopic suspension unit according to Claim 18, wherein the internal bushing has a first internal profile for mounting with an interference-fit on the lower end of the stanchion tube.

21. (new) A telescopic front suspension for use with vehicles having a single front wheel comprising

a steering tube adapted to be mounted in a head tube of a frame of the vehicle and connected to stem and handle bar above the head tube and to a fork crown below the head tube for steering the vehicle;

a pair of stanchion tubes spaced apart and extending downwardly in parallel with each other having an elongated shape with upper ends attached to the fork crown and lower ends which slide

axially and telescopically inside of a corresponding pair of slider tubes having an elongated hollow shape with upper ends which receive the stanchion tubes therein and lower ends mounted on respective sides of an axle for the front wheel,

wherein the outer shape of the stanchion tubes and inner shape of the slider tubes have matching cross-sectional shapes that are non-round, smooth curves so as to allow them to freely telescope relative to each other while preventing rotation between the parts, resulting in more precise steering control for the rider, and

further comprising an external bushing mounted on each one of the upper ends of the slider tubes having an inner shape matching the outer shape of the stanchion tubes, and an internal bushing mounted to each of the lower ends of the stanchion tubes having an outer shape matching the inner shape of the slider tubes, wherein the two-bushing arrangement allows the distance between the upper bushing and lower bushing to increase as the stanchion tube is telescopically displaced inside the slider tube, wherein the external bushing has a bushing carrier that is mounted over the upper end of the slider tube and wherein the bushing carriers mounted on the upper ends of the two slider tubes have bosses provided with mounting holes for mounting a fork bridge to the slider assemblies.